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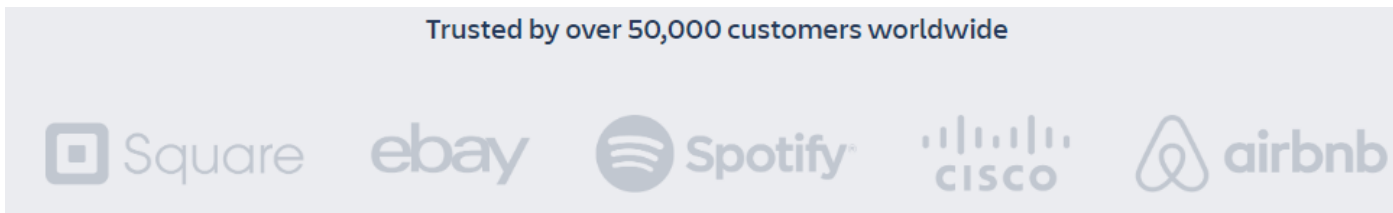
ABOUT JIRA

➤ Tool for managing projects

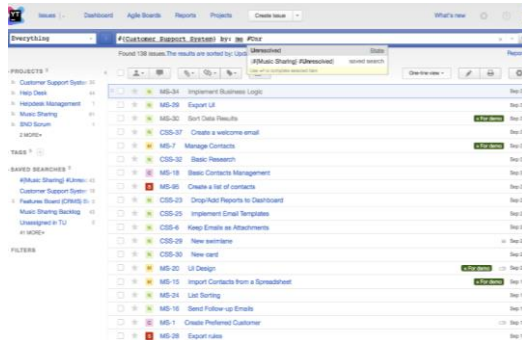
- Agile software development and monitoring
- Supports Scrum (PM method)
- No freeware, pricelist:

Cloud	10 users \$10/mo	15 users \$50/mo	25 users \$100/mo	50 users \$200/mo	100 users \$300/mo	500 users \$500/mo	2,000 users \$1,000/mo		
Server									
Cloud	10 users \$10 Starter	25 users \$1,200	50 users \$2,200	100 users \$4,000	250 users \$8,000	500 users \$12,000	2000 users \$16,000	10,000 users \$20,000	10,000+ users \$24,000
Server									

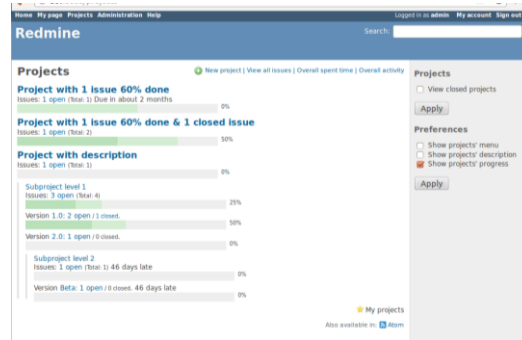
- Some clients:



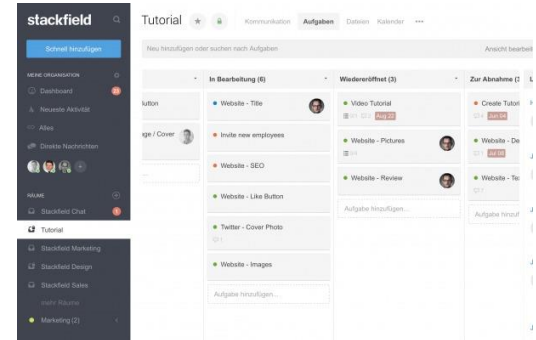
ALTERNATIVES



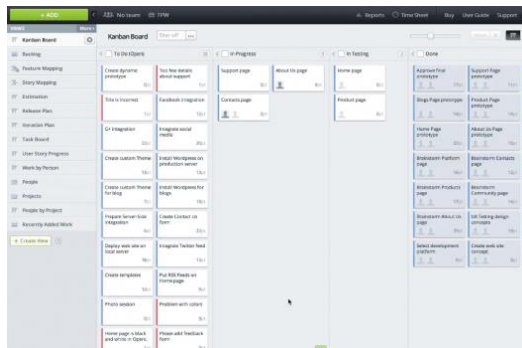
1. YouTrack



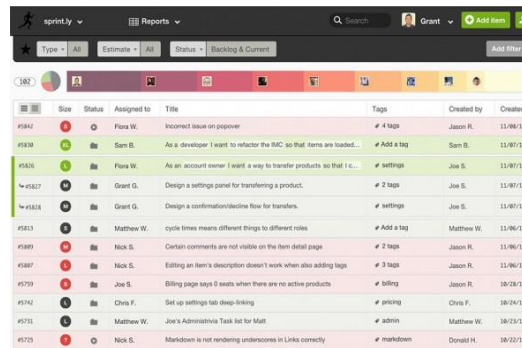
2. Redmine



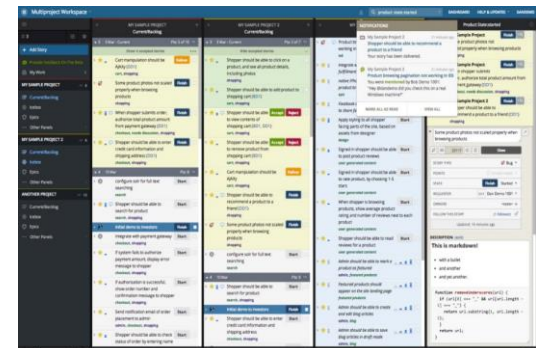
3. Stackfield



4. Target Process



5. Sprintly



6. Pivotal Tracker

ADVANTAGES

- Amount of rules reduced to a minimum
- Time required for administration reduced to a minimum
- Easy to understand
- Flexible planning
- Transparent execution
- Drag & Drop system
- Very fast adding/ editing/ tracking and deleting issues
- Lot of tutorials available
- Large and helpful documentation
- Helpful shortcuts (e.g. i → assign to me, c → create an issue)

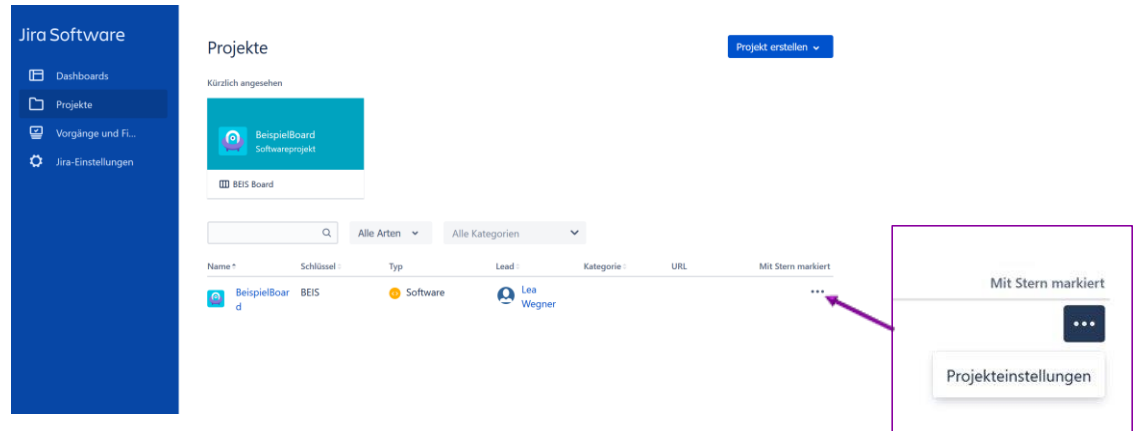
➤ Reduce time

BASICS

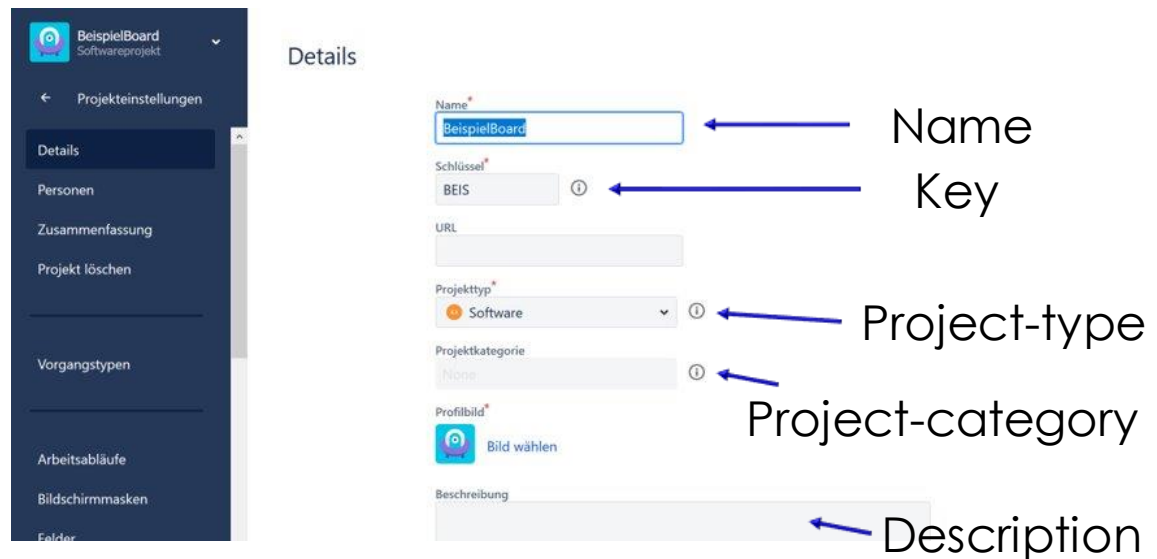
- Project: including boards
- Board: shows issues
- Issue: mostly a "user-story" with some subtasks
- Epic: a big "user-story"
- Sprints: period in which a milestone is getting completed
- Workflow: graphical representation of the process

BASIC SETTINGS

1. Open the project overview:



2. Open settings:



CREATE BOARD

The screenshot shows a sidebar menu on the left with a blue vertical bar. The menu items are:

- BeispielBoard** Softwareprojekt (with a dropdown arrow)
- BEIS Board** Board (with a dropdown arrow)
- A search bar labeled "Boards suchen ..." with a magnifying glass icon.
- A section titled "BOARDS IN BEISPIELBOARD" containing:
 - BEIS Board** (with a board icon)
 - [Alle Boards anzeigen](#)
- + Board erstellen**
- At the bottom, a partially visible item: **Element hinzufü**

Annotations with arrows point to the following elements:

- Open board**: Points to the dropdown arrow next to "BeispielBoard Softwareprojekt".
- Open board**: Points to the dropdown arrow next to "BEIS Board Board".
- Searching boards**: Points to the search bar.
- Show all existing boards**: Points to the link "Alle Boards anzeigen".
- Create a new board**: Points to the button "+ Board erstellen".

CHOOSE BETWEEN „SCRUM“ AND „KANBAN“



Kanban

Arbeiten für agile Teams regelmäßig im Blick behalten. Für Teams, die Arbeitsvolumen von einem Backlog aus steuern.

Was ist hierin enthalten?

Auswählen



Scrum

Storys, Aufgaben und Workflows für ein Scrum-Team verwalten. Für Teams, die nach einem regelmäßigen Plan arbeiten.

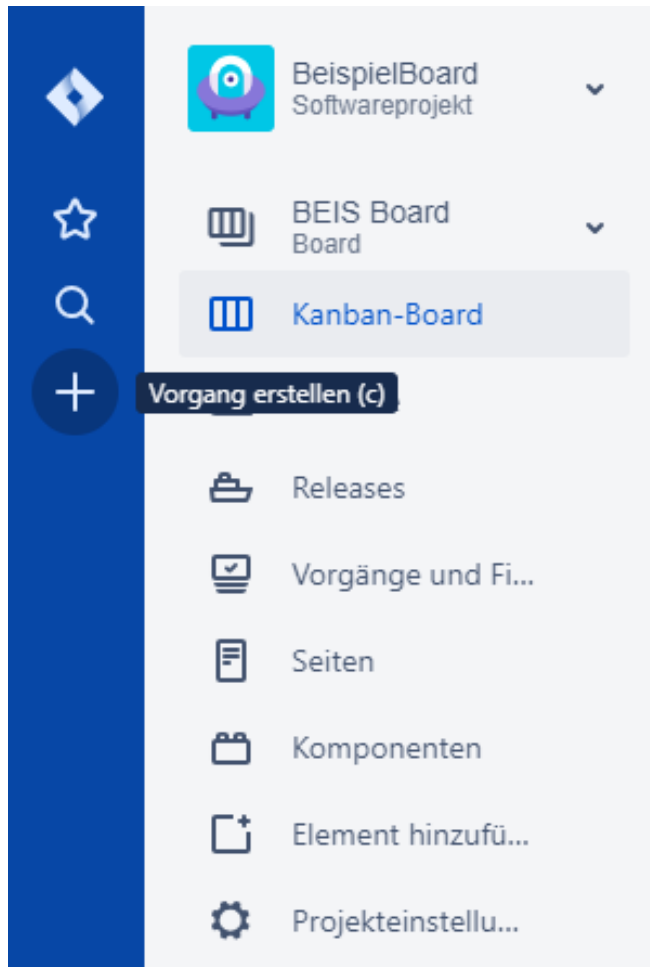
Was ist hierin enthalten?

Auswählen

Kanban: more workflow visualisation, useful when making changes to an existing project

Scrum: for software engineering with sprints

CREATE ISSUE



Choose between those process types:

- **Epic:** Task type for a large user story that needs to be split.
- **Story:** A task that needs to be done.
- **Task:** Task type for a user story.
- **Bug:** for solving problems

ISSUE INFORMATION

Priorities:

- This problem will block progress.
- Serious problem that could block progress
- Has the potential to affect progress.
- Minor problem or easily worked around.
- Trivial problem with little or no impact on progress.

↑ Highest

↑ High

↑ Medium

↓ Low

↓ Lowest

Process status:

- **Building:** Source code has been committed, and JIRA is waiting for the code to be built before moving to the next status.
- **Build Broken:** The source code committed for this issue has possibly broken the build.

OFFEN

IN ARBEIT

ERNEUT GEÖFFNET

ERLEDIGT

GESCHLOSSEN

BUILDING

BUILD BROKEN

AUFGABEN

FERTIG

BACKLOG

SELECTED FOR DEVE...

CREATE EPIC

- an Epic contains a larger amount of work
- the amount of work is larger than a single use-case
- an Epic may include several use-cases / stories

The screenshot shows the 'Vorgang erstellen' (Create Process) form in the BEIS Board application. The form is titled 'Vorgang erstellen' and has two buttons at the top right: 'Vorgänge importieren' and 'Felder konfigurieren'. The form contains the following fields:

- Projekt:** A dropdown menu with 'BeispielBoard (BEIS)' selected.
- Vorgangstyp:** A dropdown menu with 'Epic' selected. A help icon (?) is next to it.
- Epic Name:** A text input field with a red asterisk indicating it is required. Below the field is the text: 'Provide a short name to identify this epic.'
- Zusammenfassung:** A text input field with a red asterisk indicating it is required.
- Komponente(n):** A text input field with a red asterisk indicating it is required.

Below the 'Vorgangstyp' dropdown, there is a message: 'Einige Vorgangstypen sind aufgrund inkompatibler Feldkonfigurationen und/oder Arbeitsablaufzuweisungen nicht verfügbar.' (Some process types are not available due to incompatible field configurations and/or workflow assignments).

CREATE STORY

→ *Within the Epic, it is now needed to define the stories*

Story:

- contains a number of tasks that fit together
- often Use Cases as Stories

The screenshot shows the 'Vorgang erstellen' (Create Process) form in the BEIS Board application. The form is titled 'Vorgang erstellen' and has two buttons in the top right: 'Vorgänge importieren' and 'Felder konfigurieren'. The form contains the following fields:

- Projekt:** A dropdown menu with 'BeispielBoard (BEIS)' selected.
- Vorgangstyp:** A dropdown menu with 'Story' selected. A help icon (?) is next to it.
- Zusammenfassung:** A text input field.
- Komponente(n):** A label with the value 'Keine'.
- Beschreibung:** A rich text editor with a toolbar containing options for Formatvorlage, Bold (B), Italic (I), Underline (U), Text color (A), Background color (A), Link, List, Indent, and other icons.

Below the 'Vorgangstyp' dropdown, there is a message: 'Einige Vorgangstypen sind aufgrund inkompatibler Feldkonfigurationen und/oder Arbeitsablaufzuweisungen nicht verfügbar.'

CREATE SUBTASKS

Subtasks to a Story:

- Tasks that should be atomic (not meant to be divided into subtasks themselves)

Creating subtasks in story:

- Create tool interface
- Create logic
- Connect interface with logic
- Expand database stats
- Connect to database
- Testing tool

The screenshot shows a web-based form titled 'Vorgang erstellen' (Create Process). At the top right, there are two buttons: 'Vorgänge importieren' and 'Felder konfigurieren'. The form contains the following fields and elements:

- Projekt:** A dropdown menu with 'BeispielBoard (BEIS)' selected.
- Vorgangstyp:** A dropdown menu with 'Task' selected, accompanied by a help icon (?).
- Message:** A line of text stating 'Einige Vorgangstypen sind aufgrund inkompatibler Feldkonfigurationen und/oder Arbeitsablaufzuweisungen nicht verfügbar.'
- Zusammenfassung:** A large text input field with a red asterisk indicating it is required.
- Komponente(n):** A label followed by the text 'Keine'.
- Beschreibung:** A label followed by a rich text editor toolbar. The toolbar includes options for 'Formatvorlage', bold (B), italic (I), underline (U), text color (A with a color picker), background color (A with a color picker), link, list, table, and other icons.

CREATE BUG

→ if something does not work as it should you can create a Bug

The screenshot shows a web form titled 'Vorgang erstellen' (Create Task). At the top right, there are two buttons: 'Vorgänge importieren' and 'Felder konfigurieren'. The form contains the following fields and elements:

- Projekt***: A dropdown menu with 'BeispielBoard (BEIS)' selected.
- Vorgangstyp***: A dropdown menu with 'Bug' selected. Below it, a small text note reads: 'Einige Vorgangstypen sind aufgrund inkompatibler Feldkonfigurationen und/oder Arbeitsablaufzuweisungen nicht verfügbar.' (Some task types are not available due to incompatible field configurations and/or workflow assignments).
- Zusammenfassung***: A large text input field for the summary.
- Komponente(n)**: A label with the value 'Keine' (None).
- Beschreibung**: A rich text editor with a toolbar containing options like 'Formatvorlage', bold (B), italic (I), underline (U), text color (A), background color (A), link, list, and other icons.

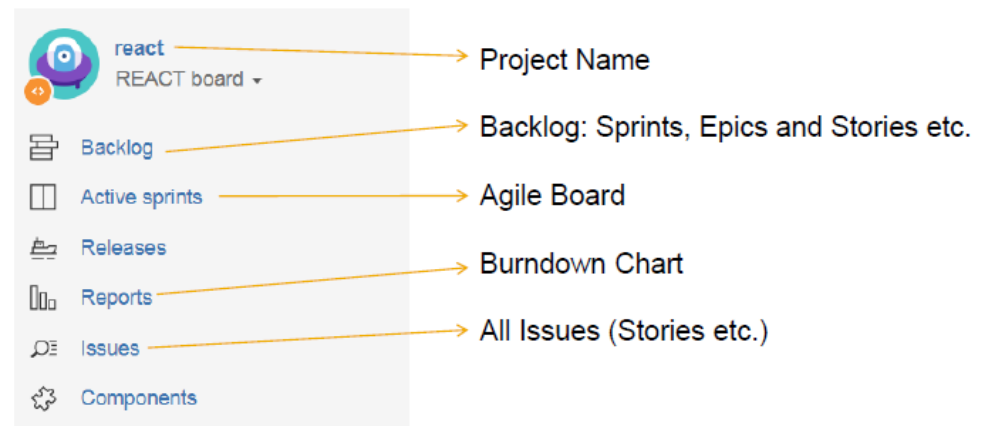
At the bottom right, there are three buttons: 'Weiteren erstellen' (disabled), 'Erstellen' (Create), and 'Abbrechen' (Cancel).

SPRINT

- Short period of time, ideally 2-4 weeks
- Contains an amount of tasks that are meant to be completed until the Sprint's deadline
- Easy coordination of the team
- The project's progress can easily be supervised

How to create it

1. Create a new board
2. Choose scrum
3. Open Backlog



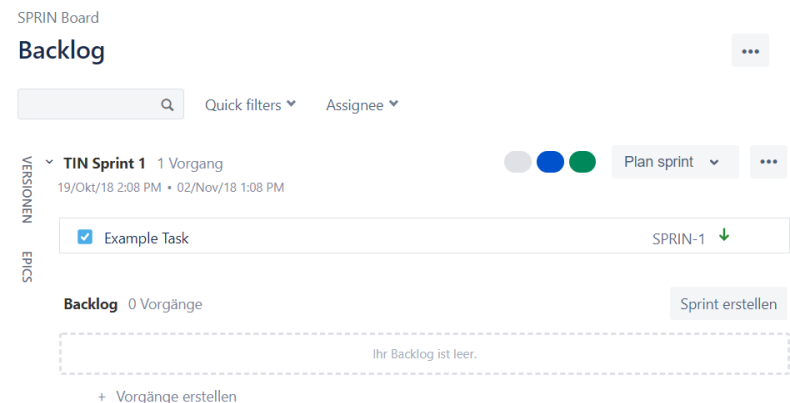
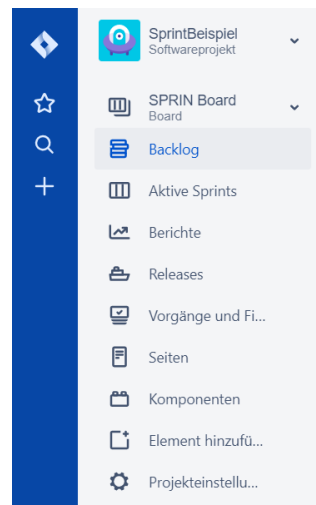
WORK WITH A SPRINT

Backlog

- Overview of “Features”
- Contains: User Stories and Epics (also contains Stories)
- Sprint management

Create an Issue

- Summary
- Description
- Reporter
- Tags
- Estimation



Some Fields might be hidden → click on **Configure Fields**

SPRINT SETTINGS

1. Start a Sprint
2. Set the time

→ automatically calculated workdays are shown

Active Sprints:

SPRIN Board

TIN Sprint 3

☆ ⌚ 19 Tage übrig Sprint abschließen ...

Quick filters ▾ Assignee ▾

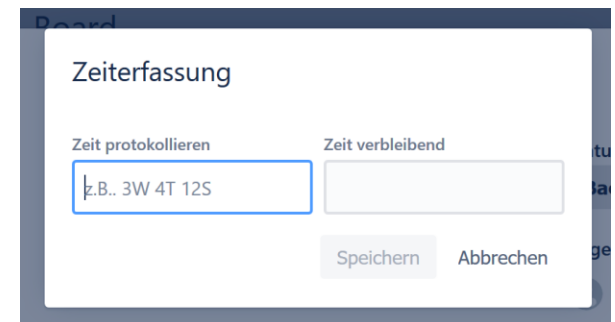
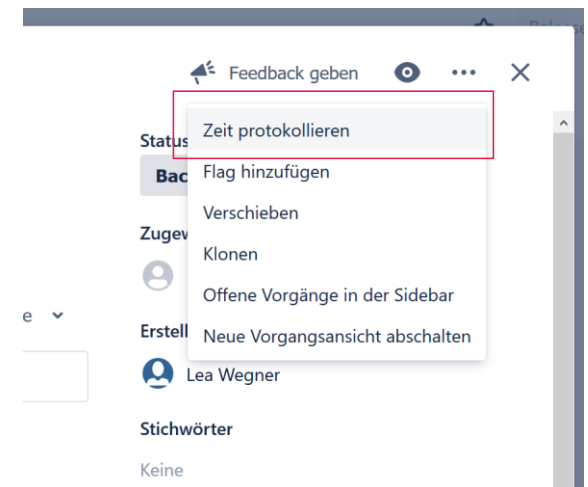
AUFGABEN	LAUFEND	FERTIG
<div>new</div> <div> </div> <div>SPRIN-3</div>		

LOG WORK

- “Remaining” shows the remaining time for this issue, not lower than 0h
- (Estimated time – Logged time = Remaining time)

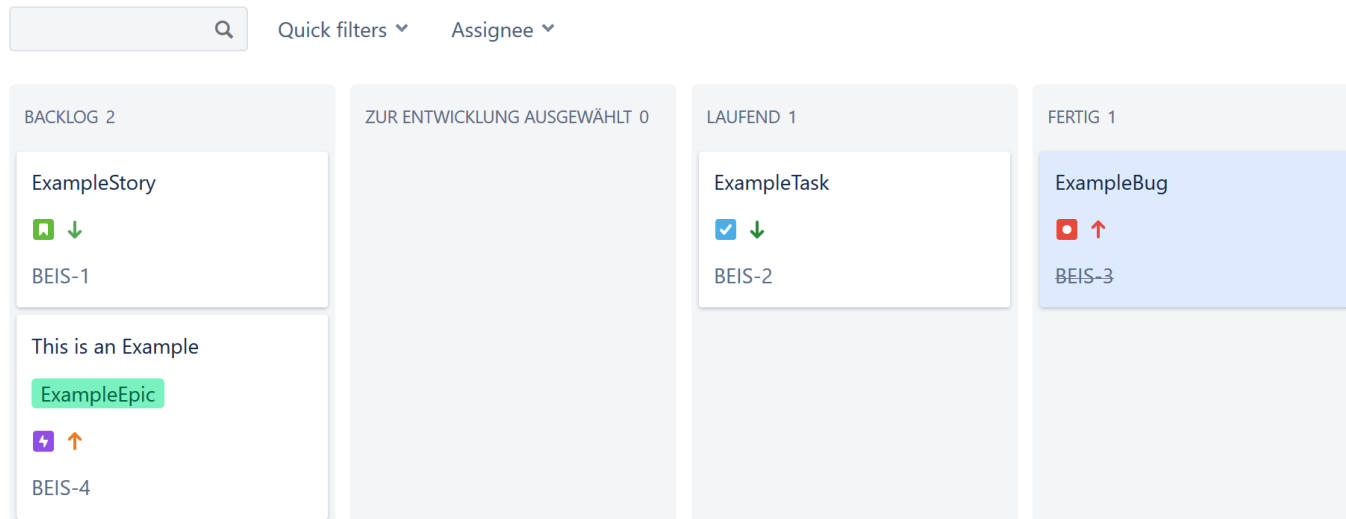
How?

- You can either log work at the 3 dots → log work
- or change estimation in the board configuration



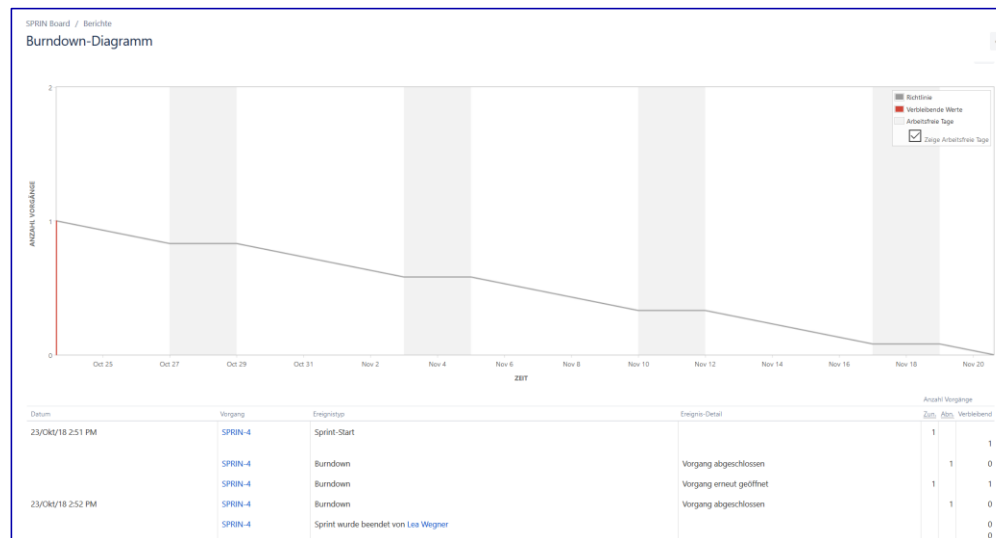
COMPLETE A ISSUE

- complete a task by dragging and dropping it into “Done” section
- If all tasks of a Story are being completed, JIRA will ask you automatically to resolve the parent issue as well



SCRUM TOOLS: BURNDOWN CHART

- Click on Reports
- This Page displays the Burndown Chart for the current Sprint
- Requires: **Story Estimation** and the **Original Time Estimation**





USERS

- Overview of users for this project

Personen

Personen hinzufügen

Name ↕	E-Mail ↕	Rolle
 Lea Wegner	wegner.lea@student.dhbw-karlsruhe.de	Administrators ▼ Entfer...
 Natalie Busam	busam.natalie@student.dhbw-karlsruhe.de	Administrators ▼ Entfer...

- add new user

Personen hinzufügen

Geben Sie einen Namen, eine Gruppe oder eine E-Mail-Adresse ein. 🔍

Rolle

Rolle wählen ▼

Hinzufügen Abbrechen

PROJECT LEADER

- Choose the project leader
- Choose if he should be assigned automatically when creating issues (as default)

Projektleiter*



Lea Wegner

Standardmäßig zugewiesene Person

Projektleiter



Projektleiter

Nicht zugewiesen



OTHER FEATURES

- Connect with GitHub
- Connect with Android Studio



CONNECT WITH GITHUB

The image shows two screenshots from the GitHub web interface. The top-left screenshot displays the 'Public profile' settings page. On the left sidebar, the 'Developer settings' link is highlighted with a red box. A dropdown menu is open from the user profile icon in the top right, showing options like 'Signed in as mc263', 'Your profile', 'Your repositories', 'Your stars', 'Your gists', 'Help', 'Settings' (highlighted), and 'Sign out'. The bottom-left screenshot shows the 'Jira' application configuration page, indicating that 'SaraEnergy owns this application' and listing '1 user'. It displays the 'Client ID' (0db8b61e8d5c7007dac5) and 'Client Secret' (03eac68c557b58ee82e9e9f77e381c97a1fc09d3), with buttons to 'Revoke all user tokens' and 'Reset client secret'. The bottom-right screenshot shows the 'Developer settings' page with 'OAuth Apps' selected. The 'GitHub Apps' link is highlighted with a red box. A blue arrow points from this red box to the 'Client Secret' field in the Jira configuration page. The bottom-right screenshot also shows the 'GitHub Apps' section with a 'New GitHub App' button and a description about building integrations.

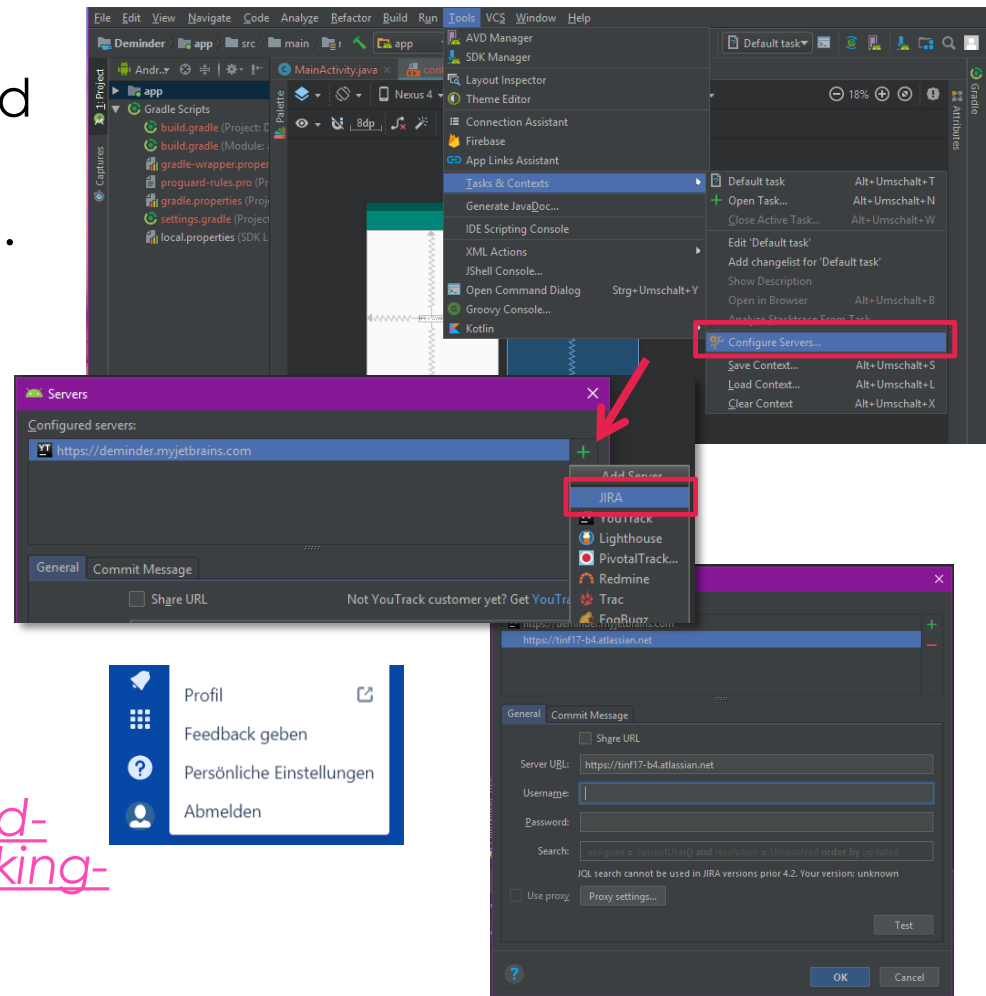
More informations:
<https://confluence.atlassian.com/adminjiracloud/connect-jira-cloud-to-github-814188429.html>

CONNECT WITH ANDROID STUDIO

1. Open a project in Android Studio
2. Go to Configure Servers... (Tools → Tools & Context)
3. Add a new server connection, choose Jira
4. Fill in your server URL, username and password
5. Test the connection

→ More Information:

<https://josiassena.com/android-studio-jira-and-other-bug-tracking-tools/>



OUR CONCLUSION

Disadvantage

- JIRA has less functionalities than some alternatives
- requires license

Advantage

- it is user-friendly, less time is needed
- changes are possible, for example if a user logged his time wrong
- Shortcuts
- Modern design



THANK YOU FOR YOUR
ATTENTION!